

Intel® Celeron® Processors for Applied Computing

Celeron® Processor Product Highlights

Performance

- 300, 366, 433, 566, 733, 850 MHz, and 1.2 GHz processor speeds
- 32K L1 cache (16K code and 16K data)
- 128K integrated L2 cache; 256K for 1.2 GHz
- High performance floating-point unit
- Intel® MMX™ technology
- 66 MHz Processor Side Bus (PSB) for 300 - 733 MHz processor speeds, and 100 MHz PSB for 850 MHz and 1.2 GHz

Scalability

- Compatible with 370 pin Socket specifications
- Compatible with Intel® 815, 815E, 810 and Intel® 440BX chipsets (except 1.2 GHz)
- 1.2 GHz supported by Intel® 815/E, 810E2 chipsets

Small Form Factor

- Flip-Chip Pin Grid Array (FC-PGA2) package (for 1.2 GHz)
- Flip-Chip Pin Grid Array (FC-PGA) package (566, 733 and 850 MHz)
- Plastic Pin Grid Array (PPGA) package (300, 366, and 433 MHz)

Testability

- Built-in Self Test (BIST)

Celeron® Processor Overview

The Celeron® processor offers great performance at an exceptional value for today's applied computing applications. The Celeron processor offers a complete line of socket-compatible solutions for communications, transaction terminal, and industrial automation applications.



Scalable Performance and Value

Scalability can play a significant role in system cost and time-to-market for applied computing applications. The Celeron processor family offers a scalable path allowing developers to preserve their hardware and software investment. Using design guidelines from Intel's Scalable Performance Board Design Program, developers can easily increase performance while minimizing their total system cost.

The Celeron processors are validated with multiple chipsets for maximum scalability. The 815, 815E, 810, 810E2 and 440BX chipsets provide a scalable platform supporting a wide selection of Celeron and Pentium® processors ranging from 66 to 133 MHz processor side bus speeds. The Intel 440BX AGPSet supports ECC for the highest data integrity and ISA for legacy I/O. The Intel 815, 815E, 810 and 810E2 chipsets utilize Intel Graphics Technology, an integrated graphics platform which provides more stability, higher quality and a reduced OEM bill of materials cost.

CELERON® PROCESSORS

PRODUCT NUMBER	CORE SPEED (MHz)	EXTERNAL BUS SPEED (MHz)	L2 CACHE	THERMAL DESIGN POWER (MAX)	VOLTAGE	T _{CASE}	PACKAGE
FV80524RX300128	300A	66	128K	17.8 watts	2.0V	5-85C	370 PPGA
FV80524RX366128	366	66	128K	21.7 watts	2.0V	5-85C	370 PPGA
FV80524RX433128	433	66	128K	24.1 watts	2.0V	5-85C	370 PPGA
RB80526RX566128	566	66	128K	19.2 watts	1.75V	90C*	370 FC-PGA
RB80526RX733128	733	66	128K	23.6 watts	1.75V	80C*	370 FC-PGA
RB80526RY850128	850	100	128K	26.7 watts	1.75V	80C*	370 FC-PGA
RK80530RY009256	1200	100	256K	29.9 watts	1.475V	69C*	370 FC-PGA2

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Intel Access

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